

signal processing";

delete line 3 in its entirety;

delete line 4 in its entirety and insert therefor

-The known devices, having the particle detecting means,-;

line 9 after "lenses" insert -.-;

line 15, change "in" to --crossing--;

N^E line 19, change "Also" to --Further--.

Page 4, line 1, after "example" insert -,-;

line 6, delete "different";

line 8, change "sufficiently high" to --the sufficient--;

line 9, change "ments." to --ments to the particle counting and measuring

devices, because of the analog (amplitude) method of comparison.--;

line 11, change "and control" to --means--;

delete line 12 in its entirety;

line 13, change "system with" to --means to--;

line 14, change "and control system" to --means--.

Page 5, line 1, change "Fag.2" to --Fig.2--;

after line 7, insert /-Other known devices by U.S. Patents No.4.160.246 and

5,751,424 intended for the smoke detection and liquid mixture, gas or solid medium analysis respectively. The smoke detector by U.S. Patent No.4.160.246 does not provide the counting and measuring of the particles in the specimen and uses the analog processing of the signals.

The probe by U.S. Patent No.5,751,424 does not provide the analysis of the airborne particle. Also these devices use one-way wireless communication for the data transmission only and do not provide the wireless transmission of the control commands/signals (automatic modes of turn-on/turn-off, switching of the particle size counting scale, etc.), requiring the handle control of the remote unit.

line 7, after "airborne" insert --(gas)--.

Page 7, lines 7, 9 change "apparatus for" to --apparatus--;

lines 8, 10 delete in their entirety;

line 12, delete "for environment analyzing";

lines 14, 16, delete "for precise analyzing of environment".

Page 8, line 3, delete "for precise analyzing of environment"--;

lines 9, 12, 17 change "remote data" to --data--.

Page 9, lines 2, 7 change "remote data" to --data--.

Page 10, line 16 change "remote data" to --data--.

Page 12, line 5 change "precise analyzing" to --particle counting and measuring--;

line 6, delete "of environment";

line 8, change "methods" to --method-- and change "environment" to
-the particle--;

lines 7, 14, 15, 16, 17 change change "remote data" to --data--.

Page 13, line 6, delete "The primer processing of the detected signals provides by
timing method.";

line 7, after "amplified" insert --, converted to the digital pulse form--;

line 11, change "primary" to --initially--;

lines 14, 15, 16 change "remote data" to --data--;

line 17, delete "comprehensive".